

ABSTRACT OF THE DISCLOSURE

A polarization filter for a high frequency wave guided in a waveguide has an entry section in which wave types that are orthogonally polarized in relation to one another are capable of propagating. The filter also comprises two first exit sections which extend along the length of the entry section, which are separated by a septum, and which are provided for a first wave type. In addition, the filter has two second exit sections which laterally extend in the plane of the septum, which are provided for the second wave type, and which are configured as coaxial conductors.